

INTERNATIONAL SEARCH REPORT

IB2004/002433

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C07K14/16 C12N15/48 A61K39/21

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, Sequence Search, EMBASE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LOUIS J M ET AL: "Design and properties of Nccg-gp41, a chimeric gp41 molecule with nanomolar HIV fusion inhibitory activity" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 276, no. 31, 3 August 2001 (2001-08-03), pages 29485-29489, XP002201626 ISSN: 0021-9258	1-8, 18-22
Y	the whole document ----- -/-	9-22

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

17 December 2004

Date of mailing of the international search report

07/01/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ECKERT D M ET AL: "Design of potent inhibitors of HIV-1 entry from the gp41 N-peptide region" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 98, no. 20, 25 September 2001 (2001-09-25), pages 11187-11192, XP002290287 ISSN: 0027-8424	1-8, 18-22
Y	the whole document	9-22
X	ROOT MICHAEL J ET AL: "Protein design of an HIV-1 entry inhibitor" SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE,, US, vol. 291, no. 5505, 2 February 2001 (2001-02-02), pages 884-888, XP002170634 ISSN: 0036-8075	1-8, 18-22
Y	abstract; figures 1,3	9-22
X	LU MIN ET AL: "Subdomain folding and biological activity of the core structure from human immunodeficiency virus type 1 gp41: Implications for viral membrane fusion" JOURNAL OF VIROLOGY, vol. 73, no. 5, May 1999 (1999-05), pages 4433-4438, XP002311269 ISSN: 0022-538X	1-8, 18-22
Y	the whole document	9-22
X	WO 02/34909 A (ABBOTT LAB) 2 May 2002 (2002-05-02)	1-8, 18-22
Y	abstract; figures 2,4,11; example 2	9-22
Y	WO 99/25377 A (COMBET CHRISTOPHE ; GEOURJON CHRISTOPHE (FR); DELEAGE GILBERT (FR); HI) 27 May 1999 (1999-05-27) the whole document	9-22
Y	SERRES P-F: "Molecular mimicry between the trimeric ectodomain of the transmembrane protein of immunosuppressive lentiviruses (HIV-SIV-FIV) and interleukin 2" COMPTES RENDUS DES SEANCES DE L'ACADEMIE DES SCIENCES. SERIE III: SCIENCES DE LA VIE, ELSEVIER, AMSTERDAM, NL, vol. 323, no. 11, November 2000 (2000-11), pages 1019-1029, XP004330682 ISSN: 0764-4469 abstract; figure 4	9-22

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>SERRES P F: "AIDS: an immune response against the immune system. Role of a precise tridimensional molecular mimicry." JOURNAL OF AUTOIMMUNITY. MAY 2001, vol. 16, no. 3, May 2001 (2001-05), pages 287-291, XP002311270 ISSN: 0896-8411 abstract; table 1</p>	9-22

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0234909	A	02-05-2002	CA 2427312 A1 EP 1379646 A2 JP 2004528011 T WO 0234909 A2	02-05-2002 14-01-2004 16-09-2004 02-05-2002
WO 9925377	A	27-05-1999	FR 2771011 A1 AU 1243499 A BR 9814204 A CA 2309676 A1 CN 1281371 T EP 1034000 A1 WO 9925377 A1 JP 2001524456 T OA 11522 A US 6455265 B1	21-05-1999 07-06-1999 03-10-2000 27-05-1999 24-01-2001 13-09-2000 27-05-1999 04-12-2001 09-02-2004 24-09-2002